

10/532522

JC13 Rec'd PCT/PTO 25 APR 2005

Docket No.: 09086-00222-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Hans-Robert-Hellmuth Damrau et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: RACEMOSELECTIVE PREPARATION OF  
BRIDGED METALLOCENE COMPLEXES  
HAVING UNSUBSTITUTED OR 2-  
SUBSTITUTED INDENYL LIGANDS

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Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on the PTO/SB/08 is attached.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

Application No.: Not Yet Assigned

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application by this firm) to our Deposit Account No. 03-2775, under Order No. 09086-00222-US.

Dated: 4/25/05

Respectfully submitted,

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
		Application Number		Not Yet Assigned	
		Filing Date		Concurrently Herewith	
		First Named Inventor		Hans-Robert-Hellmuth Damrau	
		Art Unit		N/A	
		Examiner Name		Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	09086-00222-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,262,286	07-17-2001	Gregorius et al.	
	AB	US-2004/0010157	01-15-2004	Damrau et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	WO-92/09545	06-11-1992	Massachusetts Institute of Technology		
	BB	WO-99/15538	04-01-1999	Targor GmbH		See US 6,262,286
	BC	EP-0 997 480	05-03-2000	Maruzen Petrochemical Co., Ltd.		
	BD	WO-02/00672	01-03-2002	Basell Polyolefine GmbH		See US 2004/0010157
	BE	DE-100 30 638	01-10-2002	Basell Polyolefine GmbH		See US 2004/0010157
	BF	WO-02/051878	07-04-2002	Sumitomo Chemical Co., Limited		See EP 1 275 662
	BG	EP-1 275 662	01-15-2003	Sumitomo Chemical Co., Limited		
	BH	EP-07-00935	03-13-1995	BASF Aktiengesellschaft		See Abstract

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	CA	Waymouth, R. et al., "Enantioselective Hydrogenation of Olefins with Homogeneous Ziegler-Natta Catalysts", J. Am. Chem. Soc. (1990), vol. 112, pp. 4911-4914.			
	CB	Waymouth, R. et al., "Enantioselective Cyclopolymerization: Optically Active Poly(methylene-1,3-cyclopentane)", J. Am. Chem. Soc. (1991), vol. 113, pp. 6270-6271.			
	CC	Bochmann, M. et al., "Base-Free Cationic Zirconium Benzyl Complexes as Highly Active Polymerization Catalysts", Organometallics (1993), vol. 12, pp. 633-640.			
	CD	Rheingold, A. et al., "Preparation and Properties of Chiral Titanocene and Zirconocene Dichloride Complexes of a Chiral Ligand", Organometallics (1992), vol. 11, pp. 1869-1876.			
	CE	Wartchow, R. et al., "Synthesis and Characterization of rac-[ethylene-1,2-bis(n <sup>5</sup> -4,5,6,7-			
Examiner Signature				Date Considered	

PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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				Examiner Name	Not Yet Assigned
				Attorney Docket Number	09086-00222-US
Sheet	2	of	1		

		tetrahydro-1-indenyl)]zirconium bisamides (EBTHI)Zr(NHR) <sub>2</sub> ", Journal of Organometallic Chemistry, (1998) vol. 566, pp. 287-291.	
	CF	Kaminsky W. et al Asymmetric oligomerization of propene and 1-butene with a zirconocene-aluminoxane catalyst. Agnew. Chem 101 (1989) Nr. 9 pp. 1304 - 1306	See Abstract

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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